Corporate Performance Measures at the Site Level EM Program

									Target	s 2004							Targets		Completed to		
Office	Site	Performance Measure	Unit	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	FY04	FY05	FY06	Date (Pre-2004 Actuals)	Life-cycle Scope	Cumulative Variance ¹
		Radioactive																			
	Argonne National	Facility																			
CH	Laboratory - East	Completions	# Facs.																63	78	0
	Argonne National	Remediation																			
CH	Laboratory - East	Complete	# Rel. Sites												4	4			443	443	4
	Argonne National	Remediation																			
CH	Laboratory - West	Complete	# Rel. Sites																37	37	0
		Radioactive																			
	Brookhaven National	Facility																			
CH	Laboratory		# Facs.												1	1	6		3	10	2
	Brookhaven National	Remediation																			
CH	Laboratory	Complete	# Rel. Sites														8		68	76	0
	Chicago Operations	LL/LLMW																			
CH	Office	disposed	m3																537	537	0
	Chicago Operations	Remediation																			
CH	Office	Complete	# Rel. Sites																30	30	0
	Lawrence Berkeley	Remediation								,											
CH	National Laboratory	Complete	# Rel. Sites												5	5	6	15	161	181	6
	Stanford Linear	Remediation								,											
CH	Accelerator Center	Complete	# Rel. Sites												3	3			16	20	0

^{1.} Cumulative variance based on targets and actuals variance for FY 2003 and 1st & 2nd Quarter of FY 2004

									Target	s 2004							Targets		Completed to		
Office	Site	Performance Measure	Unit	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	FY04	FY05	FY06	Date (Pre-2004 Actuals)	Life-cycle Scope	Cumulative Variance ¹
		1	gallons																		
ID		eliminated	(1000s)																0	900	0
		Liquid Waste																			, ,
ID			# Tanks	<u> </u>											1	1	1	1	0	11	-1
l _D		HLW packaged for																		4000	
ID			# Cont.	<u> </u>															0	4200	0
ID		SNF packaged for disposition	МТНМ														0.073	1.158	0	252.556	0
ID	Idaho National	disposition	IVITITIVI														0.073	1.130	- 0	232.330	
ID		TRU disposed	m3	500	500	700	500	500	549	700	700	848	700	700	718	7,615	7,864	9,004	3,404	66,139	-3262
		LL/LLMW														.,	1,001		5,101	23,122	
ID	Laboratory	disposed	m3	600	600	800	600	600	800	600	600	800	800	800	940	8,540	5,240	5,655	27,814	98,550	153
	Idaho National																				
ID			# MAA's																0	1	0
		Nuclear Facility																			
ID			# Facs.																13	86	0
		Radioactive																			
	Idaho National	Facility														_			_		_
ID	,		# Facs.									1		1	1	3	1		5	37	2
I	Idaho National	Industrial Facility	–														_				
ID			# Facs.									1	1	1	1	4	3	3	52	242	24
ID		Remediation	# Rel. Sites												2	2	2		142	270	
טו		Complete Remediation	# Kel. Sites												3	3	3		142	270	2
ID	Idaho Operations Office		# Rel. Sites																233	233	0

Rev 9, April 22, 2004.

1. Cumulative variance based on targets and actuals variance for FY 2003 and 1st & 2nd Quarter of FY 2004

									Targets	s 2004							Targets		Completed to		
Office	Site	Performance Measure	Unit	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	FY04	FY05	FY06	Date (Pre-2004 Actuals)	Life-cycle Scope	Cumulative Variance ¹
	Los Alamos National																				
LA	Laboratory	TRU disposed	m3	50	70	75	85	105	115	125	135	145	155	165	175	1,400	1,400	1,400	606	9,200	-994
	Los Alamos National	LL/LLMW																			
LA	Laboratory	disposed	m3																5,895	5,909	-14
	-	Radioactive																			
	Los Alamos National	Facility																			
LA	Laboratory	Completions	# Facs.																0	1	0
	Los Alamos National	Remediation																			
LA	Laboratory	Complete	# Rel. Sites												4	4	49	139	1,325	2,124	5

Page 3 of 15

Rev 9, April 22, 2004.

1. Cumulative variance based on targets and actuals variance for FY 2003 and 1st & 2nd Quarter of FY 2004

									Target	s 2004							Targets		Completed to		
Office	Site	Performance Measure	Unit	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	FY04	FY05	FY06	Date (Pre-2004 Actuals)	Life-cycle Scope	Cumulative Variance ¹
		Remediation Complete	# Rel. Sites	0	1	0	0	0	0	0	0	2	0	0	6	9	6	6	168	193	1

1. Cumulative variance based on targets and actuals variance for FY 2003 and 1st & 2nd Quarter of FY 2004

Page 4 of 15

									Target	s 2004						т —	Targets		Completed to		
Office	Site	Performance Measure	Unit	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	FY04	FY05	FY06	Date (Pre-2004 Actuals)	Life-cycle Scope	Cumulative Variance ¹
	Energy Technology	Industrial Facility																		4.0	
NN		Completions	# Facs.														1		19	13	12
NN		Remediation Complete	# Rel. Sites												2	_	,		4	40	0
ININ		LL/LLMW	# Rel. Sites												3	3	3		4	10	
NN		disposed	m3																1,319	1,319	0
ININ		Remediation	1113																1,319	1,319	
NN		Complete	# Rel. Sites																155	155	0
ININ	Former Oakland	LL/LLMW	# Itci. Oitcs																100	100	
NN		disposed	m3																272	272	0
	Former Oakland	Remediation																			
NN		Complete	# Rel. Sites																3	3	0
		SNF packaged for																			
NN		disposition	MTHM																1.000	1.000	0
		LL/LLMW																			
NN	General Atomics	disposed	m3																1,716	1,716	0
		Remediation																			
NN		Complete	# Rel. Sites																2	2	0
		LL/LLMW																			
NN		disposed	m3												35	35	35		165	105	130
		Remediation																			
NN		Complete	# Rel. Sites																9	9	0
	Laboratory for Energy-																				
	Related Health	LL/LLMW																			_
NN		disposed	m3												4	4			944	948	0
	Laboratory for Energy-	lastratuial Fasilite																			
NN	Related Health Research	Industrial Facility Completions	# Facs.													,				4	0
ININ	Laboratory for Energy-	Completions	# Facs.												1	1			- 0	1	
	Related Health	Remediation																			
NN		Complete	# Rel. Sites												1	1			16	17	0
ININ	Separations Process	Complete	# IXEL SILES												- '	<u> </u>			10	17	
NN		TRU disposed	m3																0	50	0
1414		Nuclear Facility		<u> </u>															<u>_</u>	30	<u> </u>
NN		Completions	# Facs.																0	4	0
<u> </u>		Remediation																	- i	·	Ť
NN		Complete	# Rel. Sites																0	6	0
	South Valley Superfund	Remediation																			
NN	Site	Complete	# Rel. Sites																1	1	0

^{1.} Cumulative variance based on targets and actuals variance for FY 2003 and 1st & 2nd Quarter of FY 2004

									Target	s 2004							Targets		Completed to		
Office	Site	Performance Measure	Unit	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	FY04	FY05	FY06	Date (Pre-2004 Actuals)	Life-cycle Scope	Cumulative Variance ¹
	Nevada Site Office Nevada Test Site		# Rel. Sites m3	4 18	18		16 18	18	18	18	18	3 18	18	18	23 18	46 198	48 197		716 0	2,082 734	-4 -45

Rev 9, April 22, 2004.

1. Cumulative variance based on targets and actuals variance for FY 2003 and 1st & 2nd Quarter of FY 2004

				_					Target	s 2004							Targets		Completed to		
Office	Site	Performance Measure	Unit	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	FY04	FY05	FY06	Date (Pre-2004 Actuals)	Life-cycle Scope	Cumulative Variance ¹
	Ashtabula																		Actuals)		
	Environmental	Industrial Facility																			
ОН	Management Project	Completions	# Facs.															6	1	7	0
	Ashtabula	•																			
	Environmental	Remediation																			
ОН	Management Project	Complete	# Rel. Sites															3	0	3	0
	Columbus																				
	Environmental	Nuclear Facility																			
ОН	Management Project	Completions	# Facs.															1	0	1	0
	Columbus	Radioactive																			
	Environmental	Facility	_																		
ОН	Management Project	Completions	# Facs.								1		1			2			12	14	0
	Columbus	5 " "																			
011	Environmental	Remediation	" D I O''																		
ОН	Management Project	Complete	# Rel. Sites															1	1	2	0
011	Fernald Environmental	LL/LLMW	2												45	45			7.005	7.400	
ОН	Management Project	disposed	m3	<u> </u>	ļ									ļ	15	15			7,085	7,100	- 0
	Formald Environmental	Radioactive																			
ОН	Fernald Environmental Management Project	Facility	# Facs.				4		3							4	4	2	19	29	2
ОП	Fernald Environmental	Completions Industrial Facility	# racs.	<u> </u>			- '		3					-		4			19	29	-2
ОН	Management Project	Completions	# Facs.												1	1			0	1	0
ОП	Fernald Environmental	Remediation	# racs.												<u>'</u>	<u> </u>			U		
ОН	Management Project	Complete	# Rel. Sites														1	1	2	6	0
<u> </u>	Miamisburg	Complete	# Itci. Oitco																		
	Environmental	DU & U packaged																			
ОН	Management Project	for disposition	MT																0.008	0.008	0
<u> </u>	Miamisburg	ioi dioposition																	0.000	0.000	
	Environmental	LL/LLMW																			
ОН	Management Project	disposed	m3																3,947	3,947	0
	Miamisburg	,																	-,-	- / -	
	Environmental	Nuclear Facility																			
ОН	Management Project	Completions	# Facs.														5	3	0	8	0
	Miamisburg	Radioactive																			
	Environmental	Facility																			
ОН	Management Project	Completions	# Facs.	2	0							1		4		7	4		0	11	0
	Miamisburg					1					1		1]			1			
	Environmental	Industrial Facility	_																		
ОН	Management Project	Completions	# Facs.	1	1	1		5	3	1	1	1	2	0	5	21	25	2	74	116	-4
	Miamisburg																				
	Environmental	Remediation																			
ОН	Management Project	Complete	# Rel. Sites			1			1			0		1	3	3	37	23	118	178	1
OL!	Ohia Fiald Office	HLW packaged for																			<u> </u>
ОН	Ohio Field Office	disposition	# Cont.	<u> </u>	-	-					-			-		<u> </u>			275	275	0
OLI	West Valley	Liquid Waste	# Topks																	_	
ОН	Demonstration Project West Valley	Tanks closed	# Tanks	-	-						 		 	-	 	<u> </u>			0	2	0
ОН	Demonstration Project	TRU disposed	m3															240	0	692	_
Ort	West Valley	LL/LLMW	шо	<u> </u>	1	1					-		-	-	 	<u> </u>		240	0	092	<u>_</u>
ОН	Demonstration Project	disposed	m3														500	4,600	4,022	23,844	398
011	West Valley	Remediation			1						 		 	1		 	500	4,000	4,022	23,044	390
ОН	Demonstration Project	Complete	# Rel. Sites																0	1	0
<u> </u>			230																·		

^{1.} Cumulative variance based on targets and actuals variance for FY 2003 and 1st & 2nd Quarter of FY 2004

									Targets	2004							Targets		Completed to		
Office		Performance Measure	Unit	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	FY04	FY05	FY06	Date (Pre-2004 Actuals)	Life-cycle Scope	Cumulative Variance ¹
OR	Oak Ridge Reservation		m3	21	21	21	21	21	21	21	21	21	21	21	19	250	178	134	0	646	-126
OR	Oak Ridge Reservation	LL/LLMW disposed	m3	373	344	319	1,092	1,047	1,205	1,314	1,222	1,297	753	753	845	10,564	7,719	4,836	72,135	100,244	8,059
		Nuclear Facility		0.0	0	0.0	.,002	.,0	1,200	.,	.,	1,201			0.0	10,001	.,	.,000	72,100	100,211	3,000
OR	Oak Ridge Reservation		# Facs.														7		2	28	0
		Radioactive Facility																			
OR	Oak Ridge Reservation		# Facs.	2									1		2	5	12		6	48	-2
		Industrial Facility																			
OR	Oak Ridge Reservation		# Facs.	7						2					8	17	27	3	84	172	-7
OR	Oak Ridge Reservation	Remediation Complete	# Rel. Sites				8								12	20	8	90	260	654	-2

Page 8 of 15

Rev 9, April 22, 2004.

1. Cumulative variance based on targets and actuals variance for FY 2003 and 1st & 2nd Quarter of FY 2004

									Target	s 2004						1	Targets		Completed to		
Office	Site	Performance Measure	Unit	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	FY04	FY05	FY06	Date (Pre-2004 Actuals)	Life-cycle Scope	Cumulative Variance ¹
	Paducah Gaseous	LL/LLMW																			
PP			m3									20	30		25	75	875	825	5,543	17,331	457
		Radioactive																			
		Facility	_																		
PP			# Facs.																0	2	0
		Remediation																			
PP			# Rel. Sites												1	1			86	237	0
		eU packaged for																			
PP	Diffusion Plant	disposition	# Cont.																0	1,450	0
	D : # 0																				
		DU & U packaged																		005 505	
PP			MT															8,304	0	205,567	0
		LL/LLMW	_																		
PP			m3							190	190	190	191	191	191	1,143	9,089	7,488	16,400	33,543	1,096
		Remediation																			
PP	Diffusion Plant	Complete	# Rel. Sites															1	149	163	0

1. Cumulative variance based on targets and actuals variance for FY 2003 and 1st & 2nd Quarter of FY 2004

Page 9 of 15

									Target	s 2004							Targets		Completed to		
Office	Site	Performance Measure	Unit	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	FY04	FY05	FY06	Date (Pre-2004 Actuals)	Life-cycle Scope	Cumulative Variance ¹
		Industrial Facility																			
PX	Pantex Plant	Completions	# Facs.																1	5	0
		Remediation																			
PX	Pantex Plant	Complete	# Rel. Sites															31	76	237	20

Page 10 of 15

Rev 9, April 22, 2004.

1. Cumulative variance based on targets and actuals variance for FY 2003 and 1st & 2nd Quarter of FY 2004

									Targets	s 2004							Targets		Completed to		
Office	Site	Performance Measure	Unit	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	FY04	FY05	FY06	Date (Pre-2004 Actuals)	Life-cycle Scope	Cumulative Variance ¹
	Rocky Flats																				
	Environmental																				
RF	Technology Site	TRU disposed	m3	180	180	180	225	180	180	180	225	180	225	180	229	2,344	2,096	1,591	8,275	12,355	2,545
	Rocky Flats	11/11/11/14/14																			
RF	Environmental Technology Site	LL/LLMW	m3	4 1 4 4	4 1 4 4	4 4 4 4	E 100	4 4 4 4	4 4 4 4	4 4 4 4	E 100	4 4 4 4	5,180	4 4 4 4	E 100	53,882	68,120	16 460	155,392	254,962	75,070
KF		disposed	IIIS	4,144	4,144	4,144	5,180	4,144	4,144	4,144	5,180	4,144	5,160	4,144	5,190	55,002	00,120	16,468	155,392	234,962	75,070
	Rocky Flats																				
DE	Environmental	MAAA aliaaiaataal	# 040 015																_	_	
RF	Technology Site	MAAs eliminated	# MAA's			1										1			/	/	0
	Rocky Flats																				
	Environmental	Nuclear Facility															_	_		_	_
RF	Technology Site		# Facs.									1				1	2	2	1	6	0
	Rocky Flats	Radioactive																			
	Environmental	Facility																			
RF	Technology Site	Completions	# Facs.			1					1			1	11	14	36	4	14	54	18
	Rocky Flats																				
	Environmental	Industrial Facility																			
RF	Technology Site	Completions	# Facs.				1	1	2		4	1	1	2	28	40	113	4	199	317	57
	Rocky Flats									-		-									
	Environmental	Remediation																			
RF	Technology Site	Complete	# Rel. Sites					1		1		1	1	4		8	30	16	197	240	50

Page 11 of 15

Rev 9, April 22, 2004.

1. Cumulative variance based on targets and actuals variance for FY 2003 and 1st & 2nd Quarter of FY 2004

									Target	s 2004						т -	Targets		Completed to		
Office	Site	Performance Measure	Unit	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	FY04	FY05	FY06	Date (Pre-2004 Actuals)	Life-cycle Scope	Cumulative Variance ¹
		Pu packaged for long-term																			
RL	Hanford Site		# Cont.	200	200	200	200	100								900			2,600	3,400	100
RL	Hanford Site	eU packaged for disposition	# Cont.															1310	1,648	2,958	0
		Pu/U residues packaged for																1010	1,010	2,000	
RL	Hanford Site		kg Bulk					176								176			3,437	3,467	-30
		DU & U packaged																			
RL	Hanford Site		MT																3,100	3,100	0
RL	Hanford Site		MTHM	34.600	74.200	80.000	27.000	74.000	80.000	27.000	74.000	80.000	81.000			631.800	0.800	1.200	1,443.010	2,130.950	-125.760
RL	Hanford Site		m3	16	16	17	16	16	18	16	17	16	17	18	17	200	983	700	337	28,369	195
RL	Hanford Site	LL/LLMW disposed	m3	218	243	204	220	56	57	270	293	270	448	471	573	3,323	3,875	2,335	36,482	69,391	1,893
RL	Hanford Site		# MAA's														1	1	0	2	0
RL	Hanford Site		# Facs.												2	2		8	3	172	1
		Radioactive Facility																			
RL	Hanford Site		# Facs.												2	2	3	9	2	415	3
RL	Hanford Site		# Facs.												3	3	13	8	164	855	6
RL	Hanford Site	Remediation Complete	# Rel. Sites	1	3		2	1	2	1	1	6	2	2	16	37	49	62	265	1,618	16

^{1.} Cumulative variance based on targets and actuals variance for FY 2003 and 1st & 2nd Quarter of FY 2004

	Site	Performance Measure		Targets 2004															Completed to		_
Office			Unit	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	FY04	FY05	FY06	Date (Pre-2004 Actuals)	Life-cycle Scope	Cumulative Variance ¹
	Office of River	'	gallons																		
RP	Protection		(1000s)																0	54,000	0
	Office of River	Liquid Waste																			
RP	Protection		# Tanks							1			1		4	6	8	12	0	177	0
	Office of River	HLW packaged for																			
RP	Protection	disposition	# Cont.													0	0	0	0	9,200	0
	Office of River																				
RP	Protection		m3													0	120	400	0	7,600	0
	Office of River	LL/LLMW																			
RP	Protection		m3													0	0	2,500	0	310,000	0
	Office of River	Nuclear Facility																			
RP	Protection		# Facs.																0	18	0
		Radioactive																			
	Office of River	Facility																			
RP	Protection		# Facs.																0	28	0
	Office of River	Industrial Facility																			
RP	Protection		# Facs.																0	102	0
	Office of River	Remediation																			
RP	Protection	Complete	# Rel. Sites																5	322	0

Page 13 of 15

Rev 9, April 22, 2004.

1. Cumulative variance based on targets and actuals variance for FY 2003 and 1st & 2nd Quarter of FY 2004

	Site	Performance Measure		Targets 2004													Targets		Completed to		
Office			Unit	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	FY04	FY05	FY06	Date (Pre-2004 Actuals)	Life-cycle Scope	Cumulative Variance ¹
	Sandia National	LL/LLMW																			
SN	Laboratory	disposed	m3																8	8	0
		Radioactive																			
	Sandia National	Facility																			
SN	Laboratory	Completions	# Facs.																1	1	0
	Sandia National	Remediation																			
SN	Laboratory	Complete	# Rel. Sites	0	0	7	0	3	9	0	1	9	0	1	10	40	32	26	152	263	-10

Page 14 of 15

^{1.} Cumulative variance based on targets and actuals variance for FY 2003 and 1st & 2nd Quarter of FY 2004

		1							Targets	2004						T	Targets		Completed to		
		Performance		\vdash					rarget	2004						\vdash	rargets		Date	Life-cycle	Cumulative
Office	Site	Measure	Unit	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	FY04	FY05	FY06	(Pre-2004 Actuals)	Scope	Variance ¹
		Pu packaged for																			
I		long-term																			
SR	Savannah River Site	disposition	# Cont.	35.25	35.25	35.25	35.25	35.25	35.25	35.25	35.25	35.25	35.25	35.25	35.25	423	165	42	54	750	117.5
SR	Savannah River Site	eU packaged for disposition	# Cont.	51	51		51	51	51	51	51	51	51	51	51	612	635	635	146	2,809	65.953
SK	Savannan River Site	Pu/U residues	# Cont.	51	51	51	51	51	51	51	51	51	51	51	51	612	635	635	146	2,809	65.953
		packaged for																			
SR	Savannah River Site		kg Bulk												77.5	77.5	75.9		321.323	414	109.659
<u> </u>	Savarrian ravor site	dioposition	ng Dani														7 0.0		0211020		100.000
		DU & U packaged																			
SR	Savannah River Site	for disposition	MT															186	4,551	23,182	2,829
		Liquid Waste	gallons																		
SR	Savannah River Site	eliminated	(1000s)	110	110	110	110	110	110	110	110	110	110	110	90	1,300	1,900	1,800	0	33,100	-1360
		Liquid Waste																			
SR	Savannah River Site	Tanks closed	# Tanks												2	2			2	51	0
. _	0 1 5: 0:	HLW packaged for																			_
SR	Savannah River Site	disposition	# Cont.	21	21	21	21	21	21	21	21	21	21	21	19	250	250	250	1452	5060	-9
SR	Savannah River Site	SNF packaged for disposition	МТНМ	0.099	0.105	0.105	0.105	0.105	0.105	0.105	0.105	0.105	0.105	0.105	0.105	1.254			1.972	35.925	0.631
SR	Savannah River Site	TRU disposed	m3	70	70	70	70	70		70	70	70		70	70	840	840	840	1.459	15.326	900
SIX.	Savarillari Niver Site	LL/LLMW	IIIO	70	70	70	70	70	70	70	70	70	70	70	70	040	040	040	1,433	15,520	300
SR	Savannah River Site	disposed	m3	895	895	895	895	895	895	895	895	895	895	895	899	10,744	10,364	7,372	59,946	219,526	1,352
SR	Savannah River Site	MAAs eliminated	# MAA's													,		.,	0	4	0
		Nuclear Facility																			
SR	Savannah River Site	Completions	# Facs.						1						2	3	0	1	3	195	2
		Radioactive																			
		Facility																			
SR	Savannah River Site	Completions	# Facs.	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	1	40	0
	0 1 5: 0::	Industrial Facility	–		_		_			_	_	_	_	_							
SR	Savannah River Site	Completions Remediation	# Facs.	0	0	0	3	1	11	2	0	0	0	0	1	18	19	25	59	816	25
SR	Savannah River Site	Complete	# Rel. Sites	1	1	1	1	1	1	1	1	1	1	1	2	13	3	11	304	515	۵
SI	Cavamian Niver Site	Complete	" INCI. OILES	<u>'</u>		'	- '		- 1	'	- 1				۷	13	ა	1.1	304	313	9

^{1.} Cumulative variance based on targets and actuals variance for FY 2003 and 1st & 2nd Quarter of FY 2004